

IN THE SPECIFICATION

✓
Please amend the paragraph beginning on page 6, line 20 as follows:

DI
As shown in Fig. 2(a), the present embedded centrifugal cooling device includes a heat sink 100, a blower or a centrifugal fan 200 and a cover 300. Among these, the heat sink 100 includes a plurality of first cooling fins 110, a plurality of second cooling fins 130, and an annular cavity 120 defined by the first cooling fins 110 and the second cooling fins 130, as shown in Fig. 2(b). The second cooling fins 130 include a lower portion 131 as shown in Fig. 3. The centrifugal fan 200 includes a rotary shaft 210 and a plurality of blades 220. The rotary shaft 210 is located above the lower portion 131 of the second cooling fins 130. The blades 220 are formed in the cavity 120 such that the centrifugal fan 200 is embedded into the heat sink 100. It is noted that the shape of the cavity 120 matches that of the centrifugal fan 200. In this manner, the cooling fins 110,130 are distributed under and around the region extending from the central region to the peripheral region of the centrifugal fan 200. The heat sink 100 is made of material chosen from the group consisting of aluminum, aluminum alloy, copper, copper alloy and the combination thereof.

✓
[Please amend the paragraph beginning on page 7, line 16 as follows:]

Further, the present embedded centrifugal cooling device includes a cover 300 formed over the heat sink 100 and the centrifugal fan 200. As shown in Fig. 3, the cover 300 is connected to the heat sink 100, and the rotary shaft 210 of the centrifugal fan 200 is connected to the cover 300. The cover 300 serves as an air seal to keep the present embedded centrifugal cooling device airtight substantially. In this manner, the coolant air generated by the centrifugal fan 200 can blow substantially the total length of the cooling fins 110,130 and then exhaust in the outer periphery of the cooling fins 110,130.